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1   Layered Coding Transport (LCT) Building Block
M. Luby, J. Gemmell, L. Vicisano, L. Rizzo, M. Handley, J. Crowcroft
December 2002   Layered Coding Transport (LCT) Building Block
Publisher: RFC Editor
Full text available ⧉ Txt (72.59 KB)
Bibliometrics   Downloads (6 Weeks): 0,   Downloads (12 Months): 0,   Downloads (Overall): 9,   Citation Count: 3

Layered Coding Transport (LCT) provides transport level support for reliable content delivery and stream delive
protocols. LCT is specifically designed to support protocols using IP multicast, but also provides support for prote
that use unicast. ...

2   Linux and the Alpha, How to Make Your Applications Fly, Part 2
David Mosberger
November 1997   **Linux Journal** , Volume 1997 Issue 43es
Publisher: Specialized Systems Consultants, Inc.
Full text available ⧉ Html (31.16 KB)
Bibliometrics   Downloads (6 Weeks): 2,   Downloads (12 Months): 5,   Downloads (Overall): 81,   Citation Count: 0

Linux and the Alpha, How to Make Your Applications Fly, Part 2

3   SETI@home: an experiment in public-resource computing
David P. Anderson, Jeff Cobb, Eric Korpela, Matt Lebofsky, Dan Werthimer
November 2002   **Communications of the ACM** , Volume 45 Issue 11
Publisher: ACM ✎ Request Permissions
Full text available ⧉ Html (31.08 KB), ⧉ Pdf (303.31 KB)
Bibliometrics   Downloads (6 Weeks): 21,   Downloads (12 Months): 244,   Downloads (Overall): 1834,   Citation Count

Millons of computer owners worldwide contribute computer time to the search for extraterrestrial intelligence,
performing the largest computation ever

4   Transport Protocol Optimization for Energy Efficient Wireless Embedded Systems
Davide Bertozzi, Anand Raghunathan, Luca Benini, Srivaths Ravi
March 2003   **DATE '03: Proceedings of the conference on Design, Automation and Test in Europe - Volur**
1 , Volume 1
Publisher: IEEE Computer Society
Full text available ⧉ Pdf (162.21 KB)
Bibliometrics   Downloads (6 Weeks): 1,   Downloads (12 Months): 28,   Downloads (Overall): 304,   Citation Count: 6

For wireless embedded systems, the power consumption in the network interface (radio) plays a dominant role
determining battery life. In this paper, we explore transport protocol optimizations for reducing the energy
consumption of wireless LAN interfaces

5   International Space Station Evolution Data Book - Volume 1 Baseline Design - Revision A
Editor Catherine A. Jorgensen
October 2000   International Space Station Evolution Data Book - Volume 1 Baseline Design - Revision A
Publisher: NASA Langley Technical Report Server
Full text available ⧉ Pdf (3.48 MB)
Bibliometrics   Downloads (6 Weeks): 1,   Downloads (12 Months): 2,   Downloads (Overall): 217,   Citation Count: 0

This report provides a focused and in-depth look at the opportunities and drivers for the enhancement and evol of the International Space Station (ISS) during assembly and beyond the assembly complete stage. These enhancements would expand and improve

6 SSL splitting: securely serving data from untrusted caches
Chris Lesniewski-Laas, M. Frans Kaashoek
August 2003 **SSYM'03: Proceedings of the 12th conference on USENIX Security Symposium - Volume 12**
Volume 12
Publisher: USENIX Association

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count

A popular technique for reducing the bandwidth load on Web servers is to serve the content from proxies. Typic these hosts are trusted by the clients and server not to modify the data that they proxy. SSL splitting is a new technique for guaranteeing

7 Agent technology in communications systems: an overview
Alex L. G. Hayzelden, John Bigham
December 1999 **The Knowledge Engineering Review**, Volume 14 Issue 4
Publisher: Cambridge University Press

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count

Telecommunications infrastructures are a natural application domain for the distributed software agent paradig The authors clarify the potential application of software agent technology in legacy and future communications systems, and provide an overview

8 Condor grid computing from mobile handheld devices
Francisco J. González-Castaño, Javier Vales Alonso, Miron Livny, Enrique Costa-Montenegro, Luis Anido-Rifón
April 2002 **SIGMOBILE Mobile Computing and Communications Review**, Volume 6 Issue 2
Publisher: ACM
Full text available: 📄PDF (199.54 KB)

Bibliometrics Downloads (6 Weeks): 4, Downloads (12 Months): 28, Downloads (Overall): 904, Citation Count 4

In this paper, we propose a hierarchical design methodology for grid access from handheld devices. After determining all user interactions required and technologies available, they are arranged in layers. All functions layer are also supported by ...

9 Peer to Peer: Peering into the Future
Jon Crowcroft, Ian Pratt
May 2002 Advanced Lectures on Networking, NETWORKING 2002 [This book presents the revised version of se tutorials given at the NETWORKING 2002 Conference in Pisa, Italy in May 2002]
Publisher: Springer-Verlag

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count

In this paper, we survey recent work on peer-to-peer systems, and venture some opinions about future requirements for research. The paper is a survey to support the tutorial at the Networks 2002 Conference and is therefore neither complete, nor likely

10 Database Allocation Strategies for Parallel BLAST Evaluation on Clusters
Rogério Luís De Carvalho Costa, Sérgio Lifschitz
January 2003 **Distributed and Parallel Databases**, Volume 13 Issue 1
Publisher: Kluwer Academic Publishers
Full text available: 📄Publisher Site

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

In this work we investigate the parallel evaluation of BLAST, the most popular tool for comparing biological sequences. Our goal is to study database distribution issues that, besides workload balancing, could improve th performance of a set of BLAST

Keywords: BLAST, data distribution, database design, parallelism, workstation clusters

11 Emerging mobile and wireless networks
Upkar Varshney, Ron Vetter
June 2000 **Communications of the ACM**, Volume 43 Issue 6
Publisher: ACM 🔒 Request Permissions
Full text available: 📄Html (36.15 KB), 📄Pdf (609.43 KB)

Bibliometrics Downloads (6 Weeks): 16, Downloads (12 Months): 219, Downloads (Overall): 5464, Citation Count

12 Multipurpose Web publishing using HTML, XML, and CSS
Håkon Wium Lie, Janne Saarela
October 1999   **Communications of the ACM** , Volume 42 Issue 10
Publisher: ACM ✎ Request Permissions
Full text available: 🔲 Html (31.20 KB), 📄 Pdf (534.90 KB)
Bibliometrics Downloads (6 Weeks) 6, Downloads (12 Months) 98, Downloads (Overall) 1849,   Citation Count 1

13 News on-demand for multimedia networks
Gene Miller, Greg Baber, Mark Gilliland
September 1993   **MULTIMEDIA '93:** Proceedings of the first ACM international conference on Multimed
Publisher: ACM ✎ Request Permissions
Full text available: 📄 Pdf (106.03 KB), 📄 Ps (1.21 MB)
Bibliometrics Downloads (6 Weeks) 5, Downloads (12 Months) 80, Downloads (Overall) 813,   Citation Count 19

   Keywords authoring, database, digital video, information service, messaging, networked multimedia, news,
   retrieval, wideband

14 Virtual private networks: a model for assessing alternatives
David Yen, Douglas Havelka, David C. Chou
July 2002   **International Journal of Networking and Virtual Organisations** , Volume 1 Issue 1
Publisher: Inderscience Publishers
Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a,   Citation Count

   Many companies are beginning to see the importance of virtual private networks (VPNs) as a corporate network
   solution primarily because of the access, flexibility, cost and level of security these networks can offer. Rather t
   using dedicated ...

   Keywords Networking, VPN

15 A FreeBSD based low cost broadband VPN router for a telemedicine application
Gunther Schadow
February 2002   **BSDC'02:** Proceedings of the BSD Conference 2002 on BSD Conference
Publisher: USENIX Association
Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a,   Citation Count

   The author developed a small low cost broadband networking router using FreeBSD to support a telemedicine
   application. Our router design provides IPsec based virtual private networking (VPN) and quality of service (Qo
   arrangements, simultaneously supporting ...

16 Scaling Up the TREC Collection
David Hawking, Paul Thistlewaite, Donna Harman
May 1999   **Information Retrieval** , Volume 1 Issue 1-2
Publisher: Kluwer Academic Publishers
Full text available: 🔲 Publisher Site
Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a,   Citation Count

   Due to the popularity of Web search engines, a large proportion of real text retrieval queries are now processed
   over collections measured in tens or hundreds of gigabytes. A new Very Large test Collection (VLC) has been
   created to support ...

   Keywords test collection, text retrieval, very large databases

17 Delivery of IP over Broadband Access Technologies
M. Enrico, N. Billington, J. Kelly, G. Young
July 2000   **BT Technology Journal** , Volume 18 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: 🔲 Publisher Site
Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a,   Citation Count

   This paper provides an overview of the broadband access technologies that can be used to deliver IP-based
   services. It describes BT's architecture for delivery of IP services over asymmetric digital subscriber line (ADSL)
   then explains the evolution ...

18 Scalable on-demand media streaming with packet loss recovery
    Anirban Mahanti, Derek L. Eager, Mary K. Vernon, David Sundaram-Stukel
    August 2001   **SIGCOMM '01**: Proceedings of the 2001 conference on Applications, technologies, architectures, and
    protocols for computer communications
    Publisher: ACM ✎ Request Permissions
    Full text available: 📄 Pdf (230.25 KB)
    Bibliometrics Downloads (6 Weeks) 0, Downloads (12 Months) 15, Downloads (Overall) 468, Citation Count 11

    Inspired by recent techniques for reliable bulk data distribution, this paper develops scalable protocols for reliab
    on-demand delivery of streaming media. Models are developed that quantify the best possible scalability for giv
    client characteristics ...

    Also published in:
    October 2001 **SIGCOMM Computer Communication Review** Volume 31 Issue 4

19 The Use of Satellite for Multimedia Communications
    M. Fitch
    August 2003   **BT Technology Journal** , Volume 21 Issue 3
    Publisher: Kluwer Academic Publishers
    Full text available: 📄 Publisher Site
    Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

    This paper is a discussion of the issues relating to the use of satellite to deliver multimedia services. Following a
    introduction to satellite services and comparison with terrestrial services, the factors affecting cost and perform
    are addressed ...

20 Peer-to-peer architecture for content-based music retrieval on acoustic data
    Cheng Yang
    May 2003   **WWW '03**: Proceedings of the 12th international conference on World Wide Web
    Publisher: ACM
    Full text available: 📄 Pdf (146.73 KB)
    Bibliometrics Downloads (6 Weeks) 5, Downloads (12 Months) 24, Downloads (Overall) 1090, Citation Count 2

    In traditional peer-to-peer search networks, operations focus on properly labeled files such as music or video, a
    the actual search is often limited to text tags. The explosive growth of available multimedia documents in recer
    years calls for more ...

    Keywords acoustic data, content-based music retrieval, distributed, load balancing, peer-to-peer, resource
    pooling